



July 27, 2014

#### **FEDERAL EXPRESS**

Ms. Pamela Molitor Remedial Project Manager U.S. EPA, SR-6J 77 West Jackson Boulevard Chicago, IL 60604

SUBJECT: 2014 FIRST SEMI-ANNUAL PROGRESS REPORT

REMEDIAL ACTION

**POWELL ROAD LANDFILL** 

U.S. EPA DOCKET NO. V-W-98-C- 466/465

Dear Pamela:

Pursuant to the above referenced Orders WMO is presenting you with the progress report for the Remedial Action O&M activities at the Powell Road Landfill. This report is for the period of January 1, 2014 thru June 30, 2014. This report was prepared per the requirements specified in the above referenced UAO's and per the frequency approved by USEPA on May 10, 2004.

# 1.0 DESCRIPTION OF TASKS/ACTIONS PERFORMED IN ACCORDANCE WITH UAO V-W-98-C-466 DURING THIS REPORTING PERIOD

The following submittals were made: 02/27/14 – SA Progress Report

01/15/14 - SA GW Report

04/21/14 - GW Sampling Notification

03/25/14 - Annual Report

#### 2.0 SUMMARY OF WORK COMPLETED (01/14-06/14)

The following occurred: 1<sup>st</sup> SA GW event –5/12-5/13/14

quarterly inspection – 03/11/14 quarterly inspection – 06/30/14

mowing - 06/14

US EPA RECORDS CENTER REGION 5
476413

LEACHATE SUMMARY					
January	0	gals			
February	5,000	gals			
March	15,000	gals			
April	10,000	gals			
May	18,500	gals			
June	0	gals			
Total	36,500	gals			

GAS WELL TUNING			
January NA			
February	NA		
March	03/31/14		
April	04/30/14		
May	05/30/14		
June	06/30/14		

The (03/11/14; 06/30/14) quarterly inspections and (03/11/14; 06/30/14) gas probe monitoring forms are attached. The site was mowed in June. The system downtime and maintenance reports are attached.

#### 3.0 90 DAY SCHEDULE(S) WORK PLANNED (07/14-12/14)

The next semi-annual report will be submitted in January 2015.

SA GW Report - 07/14
Qtrly inspection - 09/14
Qtrly gas probes - 09/14
2<sup>nd</sup> SA GW event - 11/14
Qtrly inspection - 12/14
Qtrly gas probes - 12/14
SA Progress Report - 01/15

#### 4.0 SCHEDULE VARIANCES FROM APPROVED RA PROJECT SCHEDULE

No significant activity this reporting period.

# 5.0 SUMMARY OF GROUNDWATER ACTIVITY PER UAO V-W-98-C-465 DURING THIS PERIOD

No significant activity.

## 6.0 SUMMARY AND DISCUSSION OF ALL APPROVED AND UNAPPROVED CHANGES MADE IN THE RA DURING THIS PERIOD

No significant activity.

## 7.0 SUMMARY OF PROBLEMS/DELAYS OR POTENTIAL PROBLEMS/DELAYS ENCOUNTERED DURING THIS PERIOD

No significant activity.

#### 8.0 ACTIONS BEING TAKEN TO RECTIFY PROBLEMS/DELAYS

See attached downtime reports.

#### 9.0 CHANGES IN PERSONNEL DURING THIS REPORTING PERIOD

No significant activity.

Pamela Molitor July 27, 2014 Powell Road Page 4 of 4

#### 10.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD

See items in Section 3 above.

## 11.0 COPIES OF REPORTS AND SAMPLING RESULTS GENERATED DURING THIS PERIOD

See attached downtime, gas and quarterly inspection reports. There was system downtime due to flooding during this semi-annual period.

Please contact Robin Jones regarding this submittal at 937-318-5342 or at rjones2@wm.com.

Respectfully,

Robin L. Jones District Manager WM Closed Sites

Powell Road Landfill Project Coordinator

attachment

cc. Jim Forney, WM CSMG Scott Glum, OEPA/SWDO/DERR PRL Distribution

# POST-CLOSURE QUARTERLY INSPECTION FORM Powell Road Landfill

		Last Inspection		
Date:	3/11/2014	Date:	12/10/2013	
Landfill Type:	Closed Municipal/CERCLA	Evaluator:	TOM MILLER	
Total Acreage: 76	76	Filled Acreage:	38	
Date Closed: 1984	1984	Date Capped:	1985 - 2000	

	GOOD	ADEQUATE	ATTENTION	NOT APPLICABLE
SECURITY & ACCESS:				
Perimeter Fencing		1		
2. Signs Posted				
3. Access Road				
4. Undesirable Uses Prevented	<b>√</b>			
COVER & VEGETATION:		<u> </u>		
Final Cover Erosion	<b>V</b>			
2. Top Slope Good Drainage	<b>V</b>		-	
3. Side Slope Good Drainage	<b>V</b>			
4. Evidence of Gas or Leachate	<b>V</b>	1		
5. Vegetation Quality & Density	√			
DRAINAGE:				
Appropriate Runoff Controls		7		
2. Diversion Ditches		1		
3. Perimeter Ditches		1		
4. Perimeter Stone		<b>V</b>		
5. Outlet Structures		<b>√</b>		
6. Roads	7			
GW MONITORING WELLS:				
Construction Integrity	1			
2. Security of Wells	1			
3. Identification of Wells	1			
LEACHATE & GAS SYSTEMS:				
Collection Sumps/Risers	1			
Electrical Components	1			
Leachate Pad Loading	<b>1</b>			
Storage Tank	<b>V</b>			
5. Security of System		1		
6. Flare/Blower Operation			_	
7. Extraction Wells/Pumps	V			
8. Mechanical Components	7			
9. Gas Probes	_ \			
9. Evidence of Odors/Migration	1			
10. Autodialer	7			

COMMENTS:	
· · · · · · · · · · · · · · · · · · ·	 

# PERMANENT GAS PROBE MONITORING REPORT LANDFILL GAS EXTRACTION SYSTEM POWELL ROAD LANDFILL

Combustible Gas Instrument Type:	CES Landtec GEM 5000	Serial No.:	GM5k0000-200-l
Date Last Calibrated:	3/11/2014	Method:	GA/Mode
Pressure Instrument Type:	CES Landtec GEM 5000	Serial No.:	GM5k0000-200-l
Water Level Instrument Type:	SOLINIST MODEL 101	Serial No.:	N/A
Weather Conditions:	wet and overcast	Barometric Pressure:	28.83

Monitor	Time	Pressure In.		Water	Community
Point	Time	W.C. (+/-)	Methane	Level	Comments
GP-1	12:09	0.00	0.0	14.1	No Comments
GP-2	12:15	0.00	0.0	16.8	No Comments
GP-3	12:33	-0.01	0.0	9.3	No Comments
GP-4	12:03	-0.02	0.0	0.0	Could not get cap off for water level
GP-5	11:52	-0.02	0.0	9.5	No Comments
GP-6	11:43	-0.01	0.0	10.9	No Comments

Date Performed: 3/11/2014

By: TOM MILLER

#### SURFACE WATER CONTROL INSPECTION LOG

	Date Filed:
Ohio EPA Storm Water Construction Powell Road Landfill, Montgomery C	
Date of Inspection: 3/11/14	
Name of Inspector & Title:	TOM MILLER-LANDFILL SUPERVISOR
Affiliation:	WM EMPLOYEE
Qualifications	
Weather Conditions:	wet overcast 58 degrees
Completely fill in the information required below	ow and sign where noted. Forward to Remedial Project Manager for filing.
Are measures to prevent erosion and se	ediment control adequate and properly implemented: YES
·	eded, design changes needed, or other actions below.)
2. Are non structural practices (surface gra	ading, vegetative cover, mulch, channel riprap) adequate: YES
3. Are structural practices (silt fencing and	ditch checks) adeq N/A
Observations (NOTE: location, problem, ero	osion, sediment build up, damage, etc.):
A. Stabilization/Nonstructural Practices.	
1. Surface Grading:	In good condition
· · · · · · · · · · · · · · · · · · ·	
Actions to correct problem:	N/A
Vegetative Cover	In good condition
Actions to correct problem:	N/A
Erosion Control Blanket and Mulch(NO)	TE: erosion control blankets and mulch are temporary controls and are
designed to degrade overtime)	In good condition
Actions to correct problem:	N/A
Riprap Channel Lining:	In good condition
	<del>-</del>

	Actions to correct problem:	N/A	
В.	Structural Practices.	•	
1.	Silt fencing (NOTE: silt fencing is designed as vegetation is established):	a temporary control measure and v N/A	will be removed once the
	Actions to correct problems:	N/A	
2.	Ditch checks (NOTE: ditch checks are designe vegetation is established):	d as a temporary control measure a In good condit	
	Actions to correct problems:	N/A	
C.	Discharge locations (NOTE: any discharge of s	ediments off site):	No
	Actions to correct problems:	N/A	
D.	Vehicles Tracking Sediment Off-Site NO Actions to correct problem:	N/A	
Ε.	Status of Previous Maintenance Activities (NO	FE: location and problems):	
	Actions to correct problems:	N/A	
	F. Other Remarks:	N/A	
	spector's Signature: Signature on file		

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#### Waste Management of Ohio, Inc. Closed Site Management Group Landfill Systems Equipment Inspection Report

Date	3/11+31/2014	_	Location:	Powell R	d Landfill Huber Heights, Ol
Inspector	: Jesse Pertee	_			
Inspector	Tom Miller	- -			
andfill Gas Collect	ion System:	YES	NO	NA	Comments
LFG Blower	Operating	Х			No additional comments
	Vibrations Noticed		Х		No additional comments
	Properly Greased	X			No additional comments
	Excessive Noise	<u> </u>	x		No additional comments
Blower Motor	Properly Greased	х			No additional comments
	Excessive Noise		х		No additional comments
FG Flare	Operating Properly	X			No additional comments
-	Igniter Functioning Properly	х			No additional comments
	Pilot Fuel Operating Properly	х			No additional comments
<del>-</del>	Propane Supply Adequate	х			No additional comments
Control Panel	Temperature Display Present	х		<u>-</u>	No additional comments
	Display Lights Functioning	х	<u> </u>		No additional comments
	Blower Amps Functioning	×	i i		No additional comments
	Omnisite Ready / Functioning	х			No additional comments
Electric Valves	Open During Operation	х		1	No additional comments
	Closed During Shut-Down	х			No additional comments
Compressor	Maintaining Pressure Vibrations Noticed Proper Oil Level	X	х		No additional comments No additional comments No additional comments
	Excessive Noise	X			No additional comments
.eachate Syste	m:				
Pump Stations	Sump Pumps Functioning	х		1	No additional comments
	Fluids at an Acceptable Level	X			No additional comments
	Control Panel OK	×	i i		Disabled
	Air Supply OK	х			No additional comments
Storage Tank	Fluids at an Acceptable Level	l x			No additional comments
otorage Tarik	Proper Valve operation	<del>x</del>			No additional comments
-		•			
LFG Dual Extra					N. I.P.
LFG Wells	Wellhead in Good Condition	X	<b>}</b>		No additional comments
	Pump Connections Secure	X	1		No additional comments
<del></del>	Proper Air Supply  Cycle Counter Functioning	X	<del>  </del>	<del></del>	No additional comments  No additional comments
	Cycle Counter Functioning Observed Pump Cycle	X	<del>                                     </del>	+	No additional comments
	Observed Fump Cycle		·	<u> </u>	No additional comments
Comments:		No add	ditional comm	ents.	
The Deale of Paris	r will send an email to Robin Jones stat	language de la co	4-1-1 ···· · · · ·		amadiana wasan masila asan asan a

# POST-CLOSURE QUARTERLY INSPECTION FORM Powell Road Landfill

		Last Inspection		
Date:	6/30/2014	Date:	3/11/2014	
	Closed			
Landfill Type:	Municipal/CERCLA	Evaluator:	TOM MILLER	
Total Acreage: 76	76	Filled Acreage:	38	
Date Closed: 1984	1984	Date Capped:	1985 - 2000	

	GOOD	ADEQUATE	ATTENTION	NOT APPLICABLE
SECURITY & ACCESS:				
Perimeter Fencing		V		
2. Signs Posted	1			
3. Access Road	7			
4. Undesirable Uses Prevented	V	-		
COVER & VEGETATION:				
1. Final Cover Erosion	1			
2. Top Slope Good Drainage	√ ·			
3. Side Slope Good Drainage	V	<del></del>		
4. Evidence of Gas or Leachate	V			
5. Vegetation Quality & Density	1			
DRAINAGE:				
Appropriate Runoff Controls		√		
2. Diversion Ditches				
3. Perimeter Ditches				
4. Perimeter Stone		1		
5. Outlet Structures				
6. Roads				
GW MONITORING WELLS:				
Construction Integrity	V			
2. Security of Wells	V			
3. Identification of Wells	7			
LEACHATE & GAS SYSTEMS:				
Collection Sumps/Risers	1			
2. Electrical Components	V			
3. Leachate Pad Loading	1			
4. Storage Tank	1			
5. Security of System_		√		
6. Flare/Blower Operation	· √			
7. Extraction Wells/Pumps	<b>√</b>			
8. Mechanical Components	1			
9. Gas Probes	1			
9. Evidence of Odors/Migration	V			
10. Autodialer	V			

COMMENTS:			 	
		<del></del>	 	

# PERMANENT GAS PROBE MONITORING REPORT LANDFILL GAS EXTRACTION SYSTEM POWELL ROAD LANDFILL

Combustible Gas Instrument Type:	CES Landtec GEM 5000	Serial No.:	GM5k0000-200-l
Date Last Calibrated:	6/30/2014	Method:	GA/Mode
Pressure Instrument Type:	CES Landtec GEM 5000	Serial No.:	GM5k0000-200-l
Water Level Instrument Type:	SOLINIST MODEL 101	Serial No.:	N/A
Weather Conditions:	82° partly cloudy Dry	Barometric Pressure:	29.95

Monitor		Pressure In.	Percent	Water	
Point	Time	W.C. (+/-)	Methane	Level	Comments
GP-1	10:04	0.00	0.0	13.8	No Comments
GP-2	10:11	-0.01	0.0	16.4	No Comments
GP-3	10:26	0.00	0.0	9.2	No Comments
GP-4	10:38	-0.02	0.0	0.0	Could not get cap off for water level
GP-5	11:05	-0.01	0.0	9.9	No Comments
GP-6	11:12	-0.01	0.0	10.1	No Comments

Date Performed: 6/30/2014

By: TOM MILLER

#### **Powell Sierra Monitors**

Date:

6/30/2014

Technician:

TOM MILLER

	ADDRESS, NAME & PHONE NUMBER	MONITOR FUNCTIONING PROPERLY?	MONITOR CALIBRATED?	MONITOR NEEDS ATTENTION?
1	Onsite Compressor Building	Yes	No	No

COMMENTS:
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#### SURFACE WATER CONTROL INSPECTION LOG

	Date Filed:
Ohio EPA Storm Water Construction	
Powell Road Landfill, Montgomery C	ounty, Ohio
Date of Inspection: 6/30/14	•
Name of Inspector & Title:	TOM MILLER-LANDFILL SUPERVISOR
Affiliation:	WM EMPLOYEE
Qualifications	
Weather Conditions:	wet overcast 58 degrees
Completely fill in the information required below	w and sign where noted. Forward to Remedial Project Manager for filing.
1. Are measures to prevent erosion and sed	liment control adequate and properly implemented: YES
(If no, describe observations, repairs need	ded, design changes needed, or other actions below.)
2. Are non structural practices (surface grad	ling, vegetative cover, mulch, channel riprap) adequate: YES
3. Are structural practices (silt fencing and	ditch checks) adeqt N/A
Observations (NOTE: location, problem, eros	sion, sediment build up, damage, etc.):
A. Stabilization/Nonstructural Practices.	
Surface Grading:	In good condition
	NVA
Actions to correct problem:	N/A
Vegetative Cover	In good condition
Actions to correct problem:	N/A
Erosion Control Blanket and Mulch(NOT)	E: erosion control blankets and mulch are temporary controls and are
designed to degrade overtime)	In good condition
Actions to correct problem:	N/A
Riprap Channel Lining:	In good condition

Ins	spection Log - Cont.	Date: _	6/30/2014		
	Actions to correct problem:	N.	/A		
8.	Structural Practices.				
1.	Silt fencing (NOTE: silt fencing is designed as a vegetation is established):	a temporary control measure a			
	Actions to correct problems:	N	/A		
2.	Ditch checks (NOTE: ditch checks are designed vegetation is established):	d as a temporary control meas In good			
	Actions to correct problems:	N	/A		
C.	Discharge locations (NOTE: any discharge of s	ediments off site):	No		
	Actions to correct problems:	N	/A		
D.	Vehicles Tracking Sediment Off-Site NO Actions to correct problem:	N	/A		
Ε.	Status of Previous Maintenance Activities (NO	FE: location and problems):			
	Actions to correct problems:	N	/A		
	F. Other Remarks:	N/A			
Ins	spector's Signature: _ Signature on file				
	Date: 6/30/2014				

# Waste Management, Inc. Closed Site Management Group Landfill Systems Equipment Inspection Report

	:6/30/2014	_	Location:	Powell	Rd Landfill Huber Heights, OH
Inspector	: Tom Miller (WM)				
Landfill Gas Collect		YES	NO	NA	Comments
LFG Blower	Operating		х		System down due to LCS
	Vibrations Noticed		х		System down due to LCS
	Properly Greased	×			No additional comments
	Excessive Noise		х		System down due to LCS
Blower Motor	Properly Greased	х			No additional comments
	Excessive Noise		X		System down due to LCS
LFG Flare	Operating Properly		x		System down due to LCS
	Igniter Functioning Properly		х		System down due to LCS
	Pilot Fuel Operating Properly		х		System down due to LCS
	Propane Supply Adequate	Х			System down due to LCS
Control Panel	Temperature Display Present	х			No additional comments
	Display Lights Functioning	х			No additional comments
	Blower Amps Functioning	×			No additional comments
	Omnisite Ready / Functioning	х			No additional comments
Electric Valves	Open During Operation	Х	1		System down due to LCS
	Closed During Shut-Down	х			System down due to LCS
Air Supply:					
Compressor					
	Maintaining Pressure		x		System down due to LCS
	Maintaining Pressure Vibrations Noticed		X		System down due to LCS System down due to LCS
	Vibrations Noticed	X	+		System down due to LCS
		х	+		
Leachate Syste	Vibrations Noticed Proper Oil Level Excessive Noise	X	х		System down due to LCS System down due to LCS
	Vibrations Noticed Proper Oil Level Excessive Noise m:	X	х		System down due to LCS System down due to LCS System down due to LCS
	Vibrations Noticed Proper Oil Level Excessive Noise  m: Sump Pumps Functioning	x	X		System down due to LCS System down due to LCS
	Vibrations Noticed Proper Oil Level Excessive Noise m:	x	x x		System down due to LCS
	Vibrations Noticed Proper Oil Level Excessive Noise  m: Sump Pumps Functioning Fluids at an Acceptable Level		x x		System down due to LCS System down due to LCS System down due to LCS  System down due to LCS System down due to LCS
	Vibrations Noticed Proper Oil Level Excessive Noise  m: Sump Pumps Functioning Fluids at an Acceptable Level Control Panel OK Air Supply OK	×	x x		System down due to LCS System down due to LCS System down due to LCS  System down due to LCS System down due to LCS System down due to LCS System down due to LCS System down due to LCS
Leachate Syste Pump Stations Storage Tank	Vibrations Noticed Proper Oil Level Excessive Noise  m: Sump Pumps Functioning Fluids at an Acceptable Level Control Panel OK Air Supply OK  Fluids at an Acceptable Level	x	x x		System down due to LCS System down due to LCS System down due to LCS  System down due to LCS System down due to LCS System down due to LCS System down due to LCS System down due to LCS No additional comments
Pump Stations	Vibrations Noticed Proper Oil Level Excessive Noise  m: Sump Pumps Functioning Fluids at an Acceptable Level Control Panel OK Air Supply OK	×	x x		System down due to LCS System down due to LCS System down due to LCS  System down due to LCS System down due to LCS System down due to LCS System down due to LCS System down due to LCS
Pump Stations	Vibrations Noticed Proper Oil Level Excessive Noise  m: Sump Pumps Functioning Fluids at an Acceptable Level Control Panel OK Air Supply OK  Fluids at an Acceptable Level Proper Valve operation	x	x x		System down due to LCS No additional comments No additional comments
Pump Stations Storage Tank  LFG Dual Extra	Vibrations Noticed Proper Oil Level Excessive Noise  m: Sump Pumps Functioning Fluids at an Acceptable Level Control Panel OK Air Supply OK  Fluids at an Acceptable Level Proper Valve operation	x	x x		System down due to LCS System down due to LCS System down due to LCS  System down due to LCS System down due to LCS System down due to LCS System down due to LCS System down due to LCS No additional comments
Pump Stations Storage Tank  LFG Dual Extra	Vibrations Noticed Proper Oil Level Excessive Noise  m: Sump Pumps Functioning Fluids at an Acceptable Level Control Panel OK Air Supply OK  Fluids at an Acceptable Level Proper Valve operation  ction Wells:	X X X	x x		System down due to LCS No additional comments No additional comments
Pump Stations Storage Tank	Vibrations Noticed Proper Oil Level Excessive Noise  m: Sump Pumps Functioning Fluids at an Acceptable Level Control Panel OK Air Supply OK  Fluids at an Acceptable Level Proper Valve operation  ction Wells: Wellhead in Good Condition	x x x	x x		System down due to LCS No additional comments No additional comments
Pump Stations Storage Tank  LFG Dual Extra	Vibrations Noticed Proper Oil Level Excessive Noise  m: Sump Pumps Functioning Fluids at an Acceptable Level Control Panel OK Air Supply OK  Fluids at an Acceptable Level Proper Valve operation  ction Wells: Wellhead in Good Condition Pump Connections Secure	x x x	x x x x		System down due to LCS No additional comments No additional comments No additional comments

Comments

Approximately 7' Liquid in Tank

The Project Manager will send an email to Robin Jones stating what site(s) monitored, what inspections were performed, and any issues that need to be addressed or discussed by email.

#### Blower / Flare Station Data

					_	Tom Miller				
LCS SHUTDOWN NO DATA								Date:	1/3	1/2014
					_			Client:	R. Jor	es, WM
								Site:	Pov	vell Rd
							Ter	nperature:	-	-
							Baromet	ric Press.:		
Before Tuning	<del></del>				<del>,</del>					
Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow		Comment	s
Blower In								_	None	
Blower Out									None	
After Tuning		T			T ''	1	1			
Location	CH4	CO2	02	Bal.	Press./Vac.	Temp.	Flow		Comment	8
Blower In		ļ							None	
Blower Out		<u> </u>		<u></u>	<u> </u>				None	
Blower Data	:									
			Yes	No		Comm	nents			
Blower Opera	ating Proper	rly?		×	None					
Motor Operat	otor Operating Properly?			x	None					
			Yes	No	]		Г	Yes	No	
	Lube	e Blowers:	103	X	Check Valves:				X	
		elts/Drive:		×	Check Actuator:				x	
		in Blower:		T x	Che		Arrestor:		x	
Check Propa		iii biowei.		<del>\</del> x	-		F		x	
SHECK Propa		ver Hours:		0.0	Check Compressor: Check Auto-Dialer:					
		ver Hours. ver Amps:		0	<del></del>			N/A	Х	
	DIO	vei Allips.		<u> </u>	] Long Distai	ice Seivi	Le Active.	IN/A		ŀ
Flare Data:					-		-			1
	Flare Ten	nperature:		0	Check Ignition System:				x	
	Drain Fla	are Stack:	x				Other:	No	ne	
Compressor	r Data:									
		Pressure:	_	psi	Check C	ompresso	or Draine.		×	
	•			X hai	1	•	rs Drains:			
Dryers Functioning:				†	╡	=	rive Belts:		X	
	Check Motor:			X	1	CHECK DI	ive delts:		X	ŀ



#### **Wellfield Monitoring Data**

Technician:	Tom Miller	_
Date:	1/31/2014	
Client:	R. Jones, WMI	
Site:	Powell Rd	
Temperature:		
Barometric Press.:		

ID	Date/Time	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN				,				
POWLBLOT								
POWL0001								
POWL0002								
POWL0003								
POWL0004							-	
POWL0005								
POWL0006								
POWL0007								
POWL0008							· · · <del>- · ·</del> ·	
POWL0009				1				
POWL0010								
POWL0011								
POWL0012								
POWL0013								
POWL0014								
POWL0015								
POWL0016								
POWL0017								
POWL0018							<del></del>	
POWL0019								
POWL0020								
POWL0021						_		
POWL0022								
POWL0023								
POWL0024								
POWL0025								
POWL0026								
POWLBLIN								
POWLBLOT								

Comments: System down due to LCS Shutdown

- Status History for Waste Management -Cincinnati -Powell Rd Wednesday, January 01, 2014 to Friday, January 31, 2014

Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown Time	Leachate Sys Shutdown Time	Corrective Action
nput: 75% l	JST Level						
			<u> </u>				
						<u></u>	
CS Well Shuto	down						
Powell Rd	25805	1/1/2014 11:59:16 PM	1/21/2014 6:18:24 AM	1664348			
Powell Rd		1/24/2014 2:56:50 PM	1/28/2014 9:22:03 AM	325513		·	
Powell Rd	25805	1/28/2014 9:46:22 AM	1/31/2014 3:49:16 AM	237774			
				618:47:15			
put: Compi	ressor Lov	w Pressure					
Powell Rd	25805	1/1/2014 11:59:16 PM	1/31/2014 9:11:50 AM	2538754			
				705:12:34			1
nput: Pilot fa	ailure						
Powell Rd	25805	1/1/2014 11:59:16 PM	1/28/2014 9:37:15 AM	2281079			
Powell Rd	25805	1/28/2014 9:37:31 AM	1/31/2014 1:04:29 PM	271618			
				709:04:57			
ycle Timer	Shutdov	vn (12Hrs. Daily)					
	•	Daily shu	ıtdown				None Automatic Flare Cycling Run 12Hrs off 12 Hrs Daily
L				Total	709:04:57	705:12:34	

Associated Shutdowns

<sup>\*</sup>NOT ALL ALARMS SHUTDOWN THE SYSTEMS

#### Waste Management, Powell Rd Landfill Landfill Gas and Condensate Collection Systems Maintenance Summary Report

#### Jan-2014

Date	System Repaired	Proactive/ Reactive	Diagnosis of Problem Causing Reactive Action	Corrective Action / Description of Maintenance Performed
				No Maintenance Needed

Additional Comments: No Additional Comment

#### Blower / Flare Station Data

		_			Technician:Tom Miller				
LC	CS SHUTDO	OWN NO D	ATA					Date:	2/28/2014
								Client:	R. Jones, WM
								Site:	Powell Rd
							Ten	nperature:	
							Baromet	ric Press.:	
Before Tuning				r					
Location	CH4	CO2	02	Bal.	Press./Vac.	Temp.	Flow		Comments
Blower In									None
Blower Out			_						None
After Tuning	0114			T 5 4	T5 2.	_			0
Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow		Comments
Blower In		<del> </del>							None
Blower Out	<u> </u>	<u> </u>		L	<u></u>				None
Blower Data	1:					_			
Yes No					Comments				
Blower Operating Properly? x				<u> </u>	· · · · · · · · · · · · · · · · · · ·		lone		
Motor Operat	ting Properly	y?		х			N	lone	
			Yes	No	]			Yes	No
	Lube	Blowers:		х	1	Chec	k Valves:		×
	Check B	elts/Drive:		х	1	Check	Actuator:		x
	Dra	in Blower:		х	Che	ck Flame	Arrestor:		×
Check Propa	ne: PSI			х	1 c	heck Con	npressor:		×
•		ver Hours:	0	.0	4		to-Dialer:		×
	Blov	ver Amps:		0	Long Distance Service Active: N/A				
					<b>,3</b>				
Flare Data:		ı			1				
		nperature:	-	0	Check Ignition System:				×
	Drain Fla	are Stack:	X		<u>]</u>		Other: _	No	ne
Compressor	r Data:								
	System	Pressure:		psi	Check C	ompresso	or Drains:		x
	•	inctioning:	•	×	1	•	rs Drains:		x
		_		<del> </del>	Check Drive Belts:				<del></del>
	•	eck Motor:		X		Check Dr	ive beits.		X L



#### **Wellfield Monitoring Data**

Technician:	Tom Miller	
Date:	2/28/2014	
Client:	R. Jones, WMI	
Site:	Powell Rd	
Temperature:		
Barometric Press		

ID	Date/Time	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN								1
POWLBLOT				_				
POWL0001	· <del>···········</del>							
POWL0002	· · · · · · · · · · · · · · · · · · ·							
POWL0003								
POWL0004								
POWL0005								
POWL0006								
POWL0007								
POWL0008		T					<del></del>	
POWL0009		Ti Ti						
POWL0010						<u> </u>		
POWL0011								
POWL0012		1						
POWL0013								
POWL0014								
POWL0015								
POWL0016		1						
POWL0017		1						
POWL0018							-	
POWL0019	-		1					
POWL0020		1						
POWL0021								
POWL0022			1	1				
POWL0023								
POWL0024								
POWL0025								
POWL0026								
POWLBLIN								
POWLBLOT								

Comments: System down due to LCS Shutdown

- Status History for Waste Management -Cincinnati -Powell Rd Saturday, February 01, 2014 to Friday, February 28, 2014

Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown Time	Leachate Sys Shutdown Time	Corrective Action
put: 75% L		<del></del>					<u> </u>
Powell Rd	25805	2/2/2014 9:27:31 AM	2/4/2014 10:20:23 AM	175972			
	<u></u>			40.52.52			
S Well Shuto	iown			48:52:52			
Powell Rd		2/3/2014 7:55:09 PM	2/6/2014 5:59:40 PM	252271			
Powell Rd	25805	2/21/2014 1:00:53 AM		773887		1	
				285:02:38		· · · · · · · · · · · · · · · · · · ·	
		w Pressure					
Powell Rd	25805	2/3/2014 8:09:02 PM	2/6/2014 6:23:35 PM	252873			
Powell Rd	25805	2/21/2014 1:15:29 AM		773011			
				284:58:04		284:58:04	
put: Pilot fa	ailure	1			-		<del></del>
Powell Rd	25805	2/3/2014 7:55:36 PM		2261004			
				628:03:24	628:03:24		
cle Timer Sh	utdown (1	.2Hrs. Daily)			<u> </u>		T
		Daily shu	utdown		24:00:00		None Automatic Flare Cycling Run 12Hrs off 12 Hrs Daily
				Total	652:03:24	284:58:04	

**Associated Shutdowns** 

<sup>\*</sup>NOT ALL ALARMS SHUTDOWN THE SYSTEMS

# Waste Management, Powell Rd Landfill Landfill Gas and Condensate Collection Systems Maintenance Summary Report

#### Feb-2014

Date	System Repaired	Proactive/ Reactive	Diagnosis of Problem Causing Reactive Action	Corrective Action / Description of Maintenance Performed
				No Maintenance Needed

Additional Comments: No Additional Comment

#### Blower / Flare Station Data

Technician: Tom Miller

Date: 3/31/2014

								Client: _	R. Jon	es, WMI
								Site:	Pow	ell Rd
							Ter	mperature:		68
							Baromet	ric Press.:	30	0.10
Before Tuning					Γ	<del></del>				
Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow		Comments	
Blower In	17.8	8.2	14.3	59.6	-21.73	96	349.38		None	
Blower Out	17.9	8.2	14.3	57.6	8.07	96	349.38		None	
After Tuning										
Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow		Comment	s
Blower In	27.8	15.7	10.8	45.7	-7.48	78	347.15		None	
Blower Out	25.8	14.4	11.2	48.6	3.7	79	347.15		None	
Blower Data	ı:									
			Yes	No						
Blower Opera	ower Operating Properly? x None									
Motor Opera	ting Properly	/?	X				N	lone		
			Vaa	Na	1		Γ	Vac	Na	
	مان ا	Blowers:	Yes	No	1	Chan	المصالحات	Yes	No	
			X		1	Check Valves: x  Check Actuator: x				
		elts/Drive:	X		-			X	,	
		in Blower:	X		Check Flame Arrestor:			×		
Check Propa		85%	X		1		npressor:	x		•
		er Hours:		52.6	Check Auto-Dialer:			X		
	Blow	er Amps:	12	.35	Long Dista	nce Servi	ce Active: [	N/A		
Flare Data:										
	Flare Tem	perature:	17	75	Check Ignition System: x					
	Drain Fla	are Stack:	Х		1 .	Other: N				
O	- Data:	'			-		-	_		
Compressor		Brooss.	1.47	<b></b> :	] Charle 0			<u>-</u>	]	
System Pressure: 147 psi					1	•	or Drains:	X		
Dryers Functioning:				Х	Check Dryers Drains: Check Drive Belts:			X		`
	•	ck Motor:	x		1		[	x		

**Comments:** compressor dryer is being bypassed; they compressor will be replaced in the 2nd qtr.



#### Wellfield Monitoring Data

 Technician:
 Tom Miller

 Date:
 3/31/2014

 Client:
 R. Jones, WMI

 Site:
 Powell Rd

 Temperature:
 68

 Barometric Press.:
 30.10

ID	DATE	TIME	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN	3/31/2014	2:25	17.8	8.2	14.3	59.6	-21.73	96	
POWLBLOT	3/31/2014	2:28	17.9	8.2	14.3	57.6	8.07	96	
POWL0001	3/31/2014	2:44	55.9	30.7	0.5	12.8	-3.19	71	
POWL0002	3/31/2014	2:47	59.2	31.3	0.5	9	-19.2	65	
POWL0003	3/31/2014	2:51	0	0.3	20.1	79.6	-3	72	Fully Closed
POWL0004	3/31/2014	2:55	60	31.8	0.3	8	-2.75	68	Increased Flow
POWL0005	3/31/2014	3:03	56	36.4	0.8	6.8	-2.5	68	No Change
POWL0006	3/31/2014	4:06	65.2	25	1.6	8.1	-5.61	65	No Change
POWL0007	3/31/2014	4:09	17	10.3	14.7	58.1	-4.4	64	No Change/Closed
POWL0008	3/31/2014	4:12	45.7	25.6	5.6	23.2	-7.1	66	Decreased Flow
POWL0009	3/31/2014	4:18	41.8	25.2	4.2	28.7	-10.6	68	Decreased Flow
POWL0010	3/31/2014	4:24	28	17.3	10.3	44.4	-0.13	78	No Change/BO
POWL0011	3/31/2014	4:27	33	18.4	8.7	39.8	-1.9	68	No Change/ BO
POWL0012	3/31/2014	4:31	18.1	10.5	12.5	58.9	-0.91	75	Closed
POWL0013	3/31/2014	4:37	58.5	33.9	0.5	7	-5.1	65	Increased Flow
POWL0014	3/31/2014	3:42	0.1	4.6	14.9	80.5	-15.6	77	Closed
POWL0015	3/31/2014	3:37	60.5	27.9	1.5	10.1	<i>-</i> 2.9	73	No Change
POWL0016	3/31/2014	3:39	1.1	15.9	2.9	80.1	-0.2	63	Closed
POWL0017	3/31/2014	2:35	62.1	32.4	1.3	4.1	-0.17	72	Increased Flow
POWL0018	3/31/2014	2:40	0	0.6	19.8	79.5	-0.89	61	Closed
POWL0019	3/31/2014	3:30	60.8	17.2	4.1	17.9	-18.3	69	Increased Flow
POWL0020	3/31/2014	3:34	41.3	13.8	8.1	36.8	-17.49	68	Decreased Flow
POWL0021	3/31/2014	3:46	38.8	14.1	8.5	38.6	-8.4	73	No Change
POWL0022	3/31/2014	3:50	68.2	10.2	0.9	10.6	-19.5	69	Full Open
POWL0023	3/31/2014	3:55	55.5	23.1	3.8	17.6	-20.19	70	No Change
POWL0024	3/31/2014	3:59	0	0.2	20.2	79.5	-0.41	71	Closed
POWL0025	3/31/2014	3:07	39.8	27.4	5.6	27.2	-1.32	68	No Change
POWL0026	3/31/2014	3:11	51.8	22.5	4.8	21	-19.42	69	Increased Flow
POWLBLIN	3/31/2014	4:48	27.8	15.7	10.8	45.7	-7.48	78	<u>_</u>
POWLBLOT	3/31/2014	4:53	25.8	14.4	11.2	48.6	3.7	79	

Comments:



- Status History for Waste Management -Cincinnati -Powell Rd Saturday, March 01, 2014 to Monday, March 31, 2014

Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown Time	Leachate Sys Shutdown Time	Corrective Action
put։ 75% Լ			· · · · · · · · · · · · · · · · · · ·				
Powell Rd	25805	3/4/2014 12:38:04 PM	3/8/2014 8:51:44 AM	332020			
_							
				92:13:40			
S Well Shutd		2// /20/ / // 50 22 21/	014/0044 7 70 74 444	201250			·····
Powell Rd		3/1/2014 11:59:33 PM	3/4/2014 7:53:51 AM	201258			
Powell Rd	25805	3/13/2014 2:54:54 PM	3/18/2014 9:08:22 PM	454408			
				182:07:46			
put: Compr	essor Lov	v Pressure					
Powell Rd	25805	3/1/2014 11:59:33 PM	3/4/2014 8:11:52 AM	202339			
Powell Rd	25805	3/13/2014 3:32:12 PM	3/18/2014 9:28:55 PM	453403			
				182:09:02		182:09:02	
put: Pilot fa	ilure	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				<del></del>
Powell Rd	25805	3/1/2014 11:59:33 PM	3/11/2014 9:18:13 AM	811120	 		
Powell Rd	25805	3/13/2014 2:55:22 PM	3/31/2014 9:18:19 AM	1534977			
				651:41:37	651:41:37		
cle Timer Sh	utdown (1	2Hrs. Daily)		-	-		
		Daily sho	ıtdown		24		None Automatic Flare Cycling Run 12h off 12 Hrs Daily
				Total	675:41:37	182:09:02	

Associated Shutdowns

<sup>\*</sup>NOT ALL ALARMS SHUTDOWN THE SYSTEMS

#### Waste Management, Powell Rd Landfill Landfill Gas and Condensate Collection Systems Maintenance Summary Report

#### Mar-2014

Date	System Repaired	Proactive/ Reactive	Diagnosis of Problem Causing Reactive Action	Corrective Action / Description of Maintenance Performed
3/31/2014	Flare	Reactive	Unknown	Investigating Flare shutdown after LCS restart. Flare was running upon my arrival to the site on 3/31/14

Additional Comments:

No Additional Comment

#### Blower / Flare Station Data

					T	echnician:	Tom Miller			
LO	S SHUTDO	OWN NO D	ATA					Date:	4/30	/2014
								Client:	R. Jon	es, WMI
								Site:	Pow	ell Rd
							Ten	nperature:		78
							Baromet	ric Press.:	30	0.09
Before Tuning		<del></del>			·		<del> </del>			
Location	CH4	CO2	02	Bal.	Press./Vac.	Temp.	Flow		Comment	S
Blower In						<del></del>			None	
Blower Out	-								None	
After Tuning	·	т т			<del>r</del> -		1			···-·
Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow		Comment	<u> </u>
Blower In		·		ļ					None	
Blower Out			<del> </del>	<u> </u>			<u>-</u>		None	
<b>Blower Data</b>	:									
	·		Yes	No		Comm	ents			
Blower Opera	ating Prope	rly?	x		None					
Motor Opera	ting Properl	y?	X.				N	lone		
		[	Yes	No	1		Γ	Yes	No	
	Lube	e Blowers:		INO	-	Chao	k Valves:	162		
		elts/Drive:	X		Check Valves: x  Check Actuator: x					
		ŀ	X		<b>1</b>					
Ohaal Daas		in Blower:	Х		Check Flame Arrestor:				X	
Check Propa		83%	X		Check Compressor:				X	
		ver Hours:		Check Aut					X	
	Blov	ver Amps:			Long Distar	nce Servi	ce Active:[	N/A		
Flare Data:										
	Flare Ten	nperature:			Che	ck Ignitior	System:		х	
	Drain Fla	are Stack:	х		Other:				ne	
Compressor	r Data:	_			_		_			
oomprosoo.		Pressure:	0	psi	Check C	omnresso	or Drains:	x		
	-	eck Motor:	x	Poi	1	omprood	or Braino. L		J	
	One	on motor.			_					
Comments:			;	System	down due to L	CS shutd	own			

#### **Welifield Monitoring Data**

Technician:	Tom Miller					
Date:	4/30/2014					
Client:	R. Jones, WMI					
Site:	Powell Rd					
Temperature:	62					
Barometric Press	29.81					

ID	DATE	TIME	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN									
POWLBLOT									
POWL0001									
POWL0002									
POWL0003							·		
POWL0004									
POWL0005									
POWL0006								-	
POWL0007									
POWL0008		_	Ī						
POWL0009									
POWL0010			1						
POWL0011			1						
POWL0012									
POWL0013									
POWL0014	-				_				
POWL0015									
POWL0016									
POWL0017									
POWL0018									
POWL0019									
POWL0020	:								
POWL0021									
POWL0022									
POWL0023									
POWL0024									
POWL0025									
POWL0026									
POWLBLIN									
POWLBLOT									

Comments: System down due to LCS shutdown

- Status History for Waste Management -Cincinnati -Powell Rd Tuesday, April 01, 2014 to Wednesday, April 30, 2014

				arm History		Longheta Com	<del></del> _
Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown	Leachate Sys Shutdown Time	Corrective Action
put: 75% l	JST Level		•		1 1008-	JII DOWN TIME	
Powell Rd	25805	4/25/2014 2:43:42 PM	4/28/2014 8:16:52 AM	235990			
- "							1
						· · · · · · · · · · · · · · · · · ·	1.
				65:33:10			
S Well Shuto	lown		'				
Powell Rd	25805	4/3/2014 7:22:21 PM	4/23/2014 4:05:48 AM	1673007			
Powell Rd	25805	4/28/2014 8:49:24 AM	4/28/2014 8:49:45 AM	21			
Powell Rd	25805	4/29/2014 3:32:01 PM		116819			
				497:10:47		<del>-</del>	
out: Compi							
Powell Rd		4/3/2014 8:15:22 PM	4/25/2014 12:50:59 PM	1874137			
Powell Rd	25805	4/29/2014 4:45:34 PM		112406			
		·					
-		<del></del>		551:49:03		551:49:03	
out: Pilot fa	ailure		l		<u> </u>		J
Powell Rd		4/3/2014 7:22:50 PM	4/23/2014 11:29:12 AM	1699582			1
Powell Rd	25805	4/23/2014 11:33:11 AM	4/25/2014 1:00:32 PM	178041			
Powell Rd	25805	4/29/2014 3:32:28 PM	1/25/2011 1.00:52 111	116792			<del> </del>
owen ita	23003	1/25/2011 5.52.20111		110/32			┪
	+				<del> </del>		┪
	+				<del>                                     </del>		<del>                                     </del>
	<u> </u>		.1	554:00:15	554:00:15		<del> </del> -
nput: Prim	an Power			35	, 33		
			1/25/2014 1 20 25 511		, <sub>1</sub>		<del></del>
Powell Rd	25805	4/25/2014 12:08:31 PM	4/25/2014 1:00:32 PM	3121			-
				00:52:01			<u> </u>
le Timer Sh	urtdown /13	Hrc Daily)			<del></del>		<del></del>
ue mmer Sn	iutuowii (12	•					None Automatic Flare Cycling Run 12H
		Daily shut	down		76	·	off 12 Hrs Daily
*				Total	630:00:15	551:49:03	

# Waste Management, Powell Rd Landfill Landfill Gas and Condensate Collection Systems Maintenance Summary Report

Apr-2014

Date	System Repaired	Proactive/ Reactive	Diagnosis of Problem Causing Reactive Action	Corrective Action / Description of Maintenance Performed
4/1/2014	Flare	Reactive	Flare not restarting after LCS shutdown	It was determined that the current wiring is not set for automatic restart after an LCS event. Manual restart is required. The wiring will be revised.
4/25/2014	Flare	Reactive	malfunctioning compressor	Air Compressor was replaced by Air Handling Equipment. Air dryer was removed, it was not helping and it was stressing the compressor.
4/28/2014	Gas/leachate	Reactive		Completed wiring to LCS well for remote operation

**Additional Comments:** 

No Additional Comment

#### Blower / Flare Station Data

							Te	echnician:	Tom	Miller
L	CS SHUTDO	OWN NO E	DATA					Date:	5/30	/2014
								Client:	R. Jone	es, WMI
								Site:	Pow	ell Rd
							Ten	nperature:	8	39
							Baromet	ric Press.:	30	.09
Before Tuning					1		<del></del>			
Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow		Comments	<u> </u>
Blower In		Т		1		<del></del>	+		None	
Blower Out	<u></u>				L			<del></del>	None	
After Tuning	CUA	COD		D-1	D 0/	T	Fla			
Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow		Comments	<u> </u>
Blower In									None	
Blower Out	<u> </u>	ll		<u> </u>	L		<u> </u>		None	
Blower Data	li.		Yes	No		Comm	nents			
Blower Opera	ating Proper	ly?	x		None					
Motor Opera	ting Properly	y?	х				N	lone		
		]	Vas	Na	1		Г	Voc.	Na	-
	مطيدا	Blowers	Yes	No	1	Chan	k Valves:	Yes	No	
	•	Blowers:	X	ļ	1		X			
		elts/Drive:	X	ļ	Check Actuator:				<u> </u>	
Chael Brans		in Blower:	X	<u> </u>	Check Flame Arrestor:				X	
Check Propa		<u>%</u>	X		Check Compressor: Check Auto-Dialer:				<u> </u>	
		er Hours:			1		<b> </b>	21/2	X	
	Biov	ver Amps:			Long Distar	nce Servi	ce Active:[	N/A		
Flare Data:										
	Flare Tem	perature:	-		Che	ck Ignitior	n System: x			
	Drain Fla	are Stack:	х		]		Other:	Noi	ne	
Compresso	r Data:									
•		Pressure:	0	psi	Check C	ompresso	or Drains:	х		
	Che	eck Motor:	×		]		_		,	
		•			<del>-</del> .					
Comments:										
						· · · · · · · · · · · · · · · · · · ·				

#### **Wellfield Monitoring Data**

Tom Miller	
5/30/2014	
R. Jones, WMI	
Powell Rd	
89	
30.09	
	5/30/2014 R. Jones, WMI Powell Rd 89

ID	DATE	TIME	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN									** = -
POWLBLOT						T			
POWL0001							·		
POWL0002									
POWL0003									
POWL0004									
POWL0005						I			
POWL0006									
POWL0007			1						
POWL0008						1			
POWL0009					.=				
POWL0010						1.			
POWL0011									
POWL0012									
POWL0013									
POWL0014					-				
POWL0015				,					
POWL0016									
POWL0017									
POWL0018						Ţ			
POWL0019									
POWL0020			l						
POWL0021									
POWL0022									
POWL0023									
POWL0024									
POWL0025									
POWL0026									
POWLBLIN									
POWLBLOT									

Comments: System down due to LCS shutdown.

- Status History for Waste Management -Cincinnati -Powell Rd Thursday, May 01, 2014 to Saturday, May 31, 2014

			- Al	arm History	<b>-</b>		
Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown	Leachate Sys Shutdown Time	Corrective Action
nput: 75% U	JST Level						
Powell Rd	25805	5/28/2014 6:19:36 PM	5/31/2014 2:26:49 PM	245233			
			!	68:07:13			
CS Well Shutd	·						
Powell Rd		5/1/2014 12:00:00 AM	5/6/2014 4:52:17 PM	492737	:		
Powell Rd	25805	5/13/2014 7:41:57 AM	5/20/2014 1:22:47 AM	582050			
Powell Rd	25805	5/22/2014 12:24:14 AM	5/28/2014 12:43:34 PM	562760	<u> </u>		
_				454:52:27			
nput: Compr							
Powell Rd	25805	5/1/2014 12:00:00 AM	5/6/2014 5:03:17 PM	493397			
Powell Rd	25805	5/13/2014 9:02:21 AM	5/20/2014 1:34:25 AM	577924			
Powell Rd	25805	5/22/2014 1:55:06 AM	5/28/2014 12:55:09 PM	558003			
				452:35:24		452:35:24	<u> </u>
nput: Pilot fa	ailure						
Powell Rd	25805	5/1/2014 12:00:00 AM	5/20/2014 1:45:28 PM	1691128			
Powell Rd	25805	5/22/2014 12:24:43 AM	5/30/2014 8:10:54 AM	719171			
Powell Rd	25805	5/30/2014 8:34:57 AM	5/30/2014 8:35:21 AM	24			
Powell Rd	25805	5/30/2014 8:43:05 AM	5/30/2014 8:46:57 AM	232			
Powell Rd	25805	5/30/2014 8:49:49 AM	5/30/2014 8:50:40 AM	51	_		
Powell Rd	25805	5/30/2014 9:10:25 AM	5/30/2014 9:38:29 AM	1684			
	•			670:04:50	670:04:50		
Input: Prim	ary Powe	r					
Powell Rd	25805			<u>.                                      </u>			1
					- +		1
							<del></del>
yde Timer Shi	utdown (12	PHrs. Daily)					
		Daily shut	down		0		None Automatic Flare Cycling Run 12Hrs 12 Hrs Daily
				Total	670:04:50	452:35:24	

# Waste Management, Powell Rd Landfill Landfill Gas and Condensate Collection Systems Maintenance Summary Report

#### May-2014

Date	System Repaired	Proactive/ Reactive	Diagnosis of Problem Causing Reactive Action	Corrective Action / Description of Maintenance Performed

Additional Comments: No Additional Comment

#### Blower / Flare Station Data

CO2	OATA O2				Tem Barometr	Date: Client: Site: perature:	6/30/ R. Jone Powe 8	es, WMI ell Rd 3
CO2	02					Site: _ perature: _	Powe 8	ell Rd 3
CO2	03					perature:	8	3
CO2						-	8	3
CO2	<u>O2</u>					-		
CO2	02				Daionicu	IC F1622	29.	.95
CO2	<b>C</b> 2							
	UZ	Bal.	Press./Vac.	Temp.	Flow		Comments	
							None	
							None	
		T	<del></del>					
CO2	O2	Bal.	Press./Vac.	Temp.	Flow		Comments	
		ļ					None	
		<u> </u>					None	
•								
	Yes	No		Comm	ents			
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	х						X	
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Blower Amps:			Long Distar	nce Servi	ce Active:	N/A		
remperature:			Che	ck Ignition	System:	T	х	
-	x		1	<b>J</b>	-	No:		
		<u>.                                    </u>			-			
1	· · · · ·		7		_		<del></del> 1	
em Pressure:	0	psi	Check C	ompresso	x			
Check Motor:	х							
	operly?  Lube Blowers: ck Belts/Drive: Drain Blower: 80% Blower Hours: Blower Amps: Temperature: n Flare Stack: tem Pressure:	Yes operly? x operly? x Description    Lube Blowers: x ck Belts/Drive: x Drain Blower: x 80% x Blower Hours: Blower Amps: Temperature: x n Flare Stack: x  tem Pressure: 0	Yes No operly? x perly? x  Yes No Lube Blowers: x ck Belts/Drive: x Drain Blower: x 80% x  Blower Hours: Blower Amps:  Temperature: n Flare Stack: x  tem Pressure: 0 psi	Yes No operly?  x perly?  Yes No Lube Blowers: x ck Belts/Drive: x Drain Blower: x Blower Hours: Check	Yes No Commoperly?  x perly?  X Yes No Check Check Blowers: x Check Flame Check Flame Check Con Check Con Check Au Long Distance Service Temperature: x Check Ignition on Flare Stack: x Check Compressor	Yes No Comments  operly? x No  Derly? x No  Lube Blowers: x Check Valves: Check Actuator: Check Flame Arrestor: Check Compressor: Check Auto-Dialer: Check Auto-Dialer: Check Auto-Dialer: Check Auto-Dialer: Check Ignition System: Check Ignition System: Check Compressor Drains: Check Compressor Drains:	Yes No Comments  Operly? x None  Perly? x None  Lube Blowers: x Check Valves: Check Actuator: Check Flame Arrestor: Check Flame Arrestor: Check Compressor: Check Auto-Dialer: No Check Ignition System: No Check Ign	Yes         No         Comments           operly?         x         None           operly?         x         None           perly?         x         None           Lube Blowers:         x         Check Valves:         x           ck Belts/Drive:         x         Check Actuator:         x           Drain Blower:         x         Check Flame Arrestor:         x           Blower Hours:         Check Compressor:         x           Blower Hours:         Long Distance Service Active:         N/A           Temperature:         Check Ignition System:         x           n Flare Stack:         x         Other:         None

#### **Wellfield Monitoring Data**

Technician:	Tom Miller					
Date:	6/30/2014					
Client:	R. Jones, WMI					
Site:	Powell Rd					
Temperature:	83					
Barometric Press	29.95					

ID	DATE	TIME	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN	_								
POWLBLOT									
POWL0001									
POWL0002									
POWL0003									
POWL0004									
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POWL0025									
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POWLBLIN						<u> </u>			
POWLBLOT									

Comments: System down due to LCS shutdown

- Status History for Waste Management -Cincinnati -Powell Rd Sunday, June 01, 2014 to Monday, June 30, 2014

			-	Alarm Histo	ry -		
Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown Time	Leachate Sys Shutdown Time	Corrective Action
Input: 75% l	JST Level						
Powell Rd	25805	6/7/2014 6:43:46 PM	6/10/2014 12:46:37 PM	237771			
			·				
				66:02:51			
CS Well Shu	<del></del>	C/40/0044 0 00 45 AM		101100	1		
Powell Rd		6/10/2014 3:03:15 AM	6/12/2014 8:14:48 AM	191493			ļ
Powell Rd	25805	6/19/2014 7:47:15 PM		965505			
				321:23:18			
_ Input: Compr	essor Lo	w Pressure				L	<del></del>
		6/10/2014 4:20:49 AM	6/12/2014 8:26:28 AM	187539			1
Powell Rd		6/12/2014 7:44:20 PM	· · · · · · · · · · · · · · · · · · ·	396044			
Powell Rd		6/19/2014 8:34:57 PM		962643			
		<u> </u>		429:30:26		429:30:26	
Input: Pilot fa	ailure			<u> </u>			
Powell Rd	25805	6/10/2014 3:03:42 AM	6/17/2014 9:55:57 AM	629535			
Powell Rd	25805	6/19/2014 7:47:43 PM		965477			
				<u></u>			
				443:03:32	443:03:32		
Input: Prim	ary Powe	er					
Powell Rd	25805	6/23/2014 8:43:44 PM	6/23/2014 11:16:18 PM	9154		Ī.	
Powell Rd	25805	0/24/2014 12.22.10 AM	6/24/2014 12:27:55 AM	337			
		,,,,,,,		02:38:11			
Cycle Timer Sh	utdown (1	2Hrs. Daily)					
		Daily sh	utdown		120		None Automatic Flare Cycling Run 12Hrs of
				Total	563:03:32	429:30:26	

#### Waste Management, Powell Rd Landfill Landfill Gas and Condensate Collection Systems Maintenance Summary Report

#### Jun-2014

Date	System Repaired	Proactive/ Reactive	Diagnosis of Problem Causing Reactive Action	Corrective Action / Description of Maintenance Performed
				· · · · · · · · · · · · · · · · · · ·

Additional Comments:

No Additional Comment

Powell Road Landfill Monthly Leachate Logs in 2014

Month	Gallons	in. Rain
Jan-14	0	1.78
Feb-14	5,000	2.07
Mar-14	15,000	2.37
Apr-14	10,000	4.77
May-14	0	6.07
Jun-14	6,500	5.60
Jul-14	0	0.00
Aug-14	0	0.00
Sep-14	0	0.00
Oct-14	0	0.00
Nov-14	0	0.00
Dec-14	0	0.00
Ţotal	36,500	22.66
Monthly Avg	3,042	1.89
Daily Avg	100	0.062

